

~1 Ma horizon, mapped by Yeats (1981, 1989), offshore modified by Sorlien and Kamerling

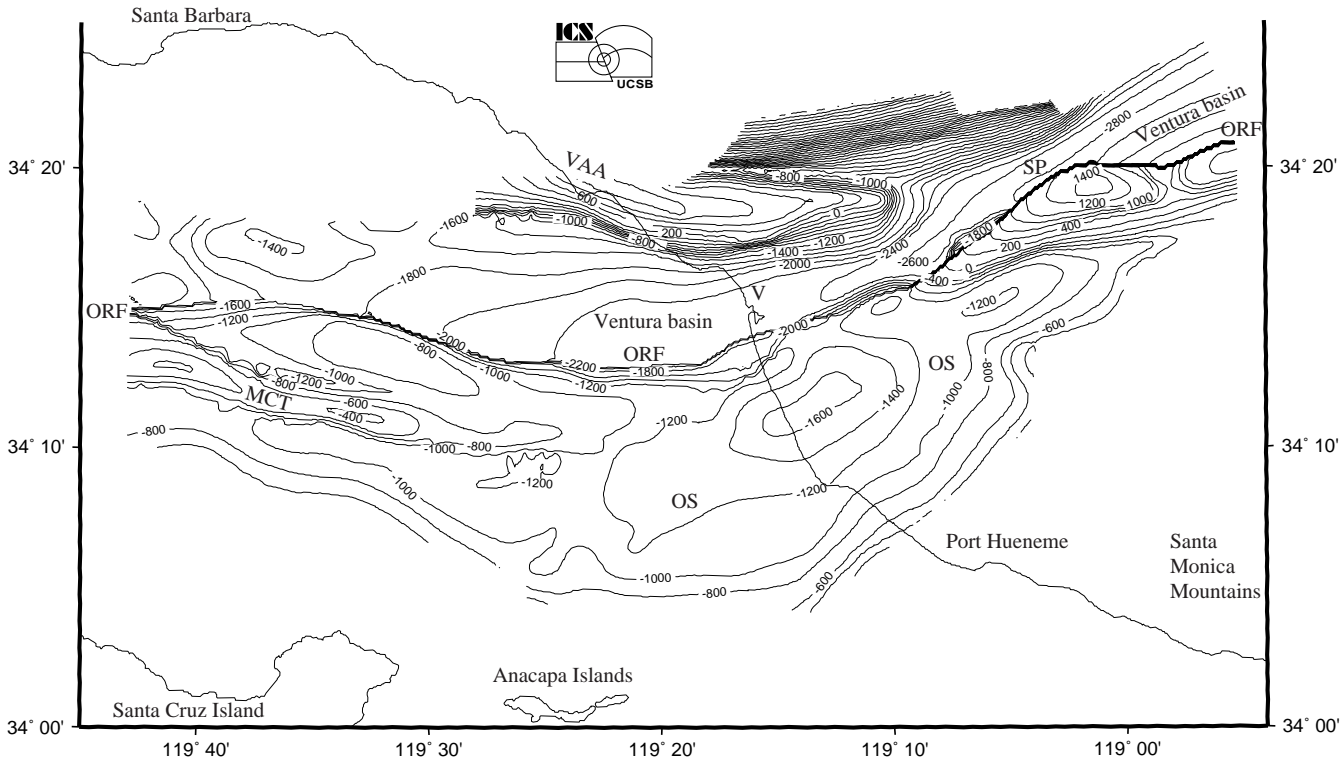


Figure 2: Structure-contour map of the ~1 Ma horizon. Contour interval is 200 m; MCT, Mid-Channel trend; OS, Oxnard Shelf; SP, Santa Paula; V, Ventura; VAA, Ventura Avenue anticline

We also have mapped a ~1.8 Ma (top Venturian faunal stage; Hornafius and others, 1996) horizon in travel time offshore and are working at converting it to depth. This ~1.8 Ma horizon (top Lower Pico Formation; Fig. 3) has been mapped using paleontology, e-log correlations and a grid of high-quality multichannel seismic reflection data in the eastern Santa Barbara Channel. The onshore map is constructed using numerous cross sections in the Hopps data set (Hopps and others, 1995; Nicholson and others, 1997), published cross sections from Yeats and others (Yeats, 1979, 1981, 1983, 1988; Huftile and Yeats, 1995; Grigsby, 1986, 1988), and geologic maps (e.g. Dibblee, 1992). The onshore map has been digitized (Fig. 4).

Figure 3: Stratigraphic column for eastern Santa Barbara Channel and Ventura basin showing faunal zones and dated ash beds. Modified from Grigsby (1986).

